



**MCIEAST-MCB
CAMLEJ**

General Environmental Awareness Training

provided by the
G-F Department
Environmental Management Division (EMD)



Training Objectives

When you've completed with this training you will...

- Have a general awareness of the environmental programs at MCIEAST-MCBCAMLEJ
- Understand the importance of taking care of the environment at MCIEAST-MCBCAMLEJ
- Know what you can and should do ***to protect the environmental resources that support MCIEAST-MCBCAMLEJ's mission and your quality of life***



Benefits You'll Receive From This Training

You'll learn...

- How to **save money** at home by using less water, less electricity, and generating less waste
- About **outdoor recreation** options available to you - like hunting, fishing, and accessing our beaches
- What recycled/reusable materials are available to you at no cost
 - Mulch and compost
 - Harvest firewood
 - Materials and supplies for your Unit



MCIEAST-MCBCAMLEJ Commanding General's Statement on Environmental Policy

"The Marine Corps Installation East-Marine Corps Base Camp Lejeune is committed to applying sound environmental management practices to our Command's resources & continually improving these practices to strengthen our mission."

MCIEAST-MCBCAMLEJ will...

- Comply with all environmental laws, regulations and policies...
 - Conserve natural and cultural resources...
 - Implement pollution prevention initiatives...
 - Educate our personnel on their responsibility to protect the environment

Why?...

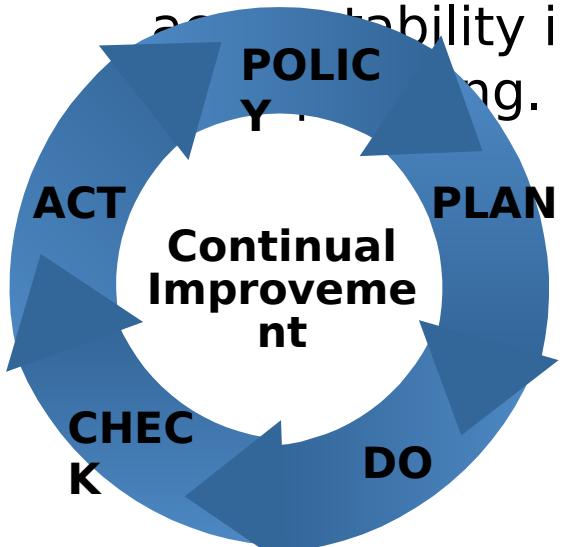
In order to fulfill our obligation of stewardship and to preserve the ability to fulfill our mission.



Environmental Policy Implementation

- Our environmental policy is implemented through the use of an **Environmental Management System** (EMS)

- EMS integrates environmental considerations and accountability into day-to-day decision making and long-term planning.
- The focus of EMS is continual improvement through planning, review and corrective action.***
- At the installation level, on behalf of the Installation Commander, the Environmental Management Division (EMD) implements the EMS. The EMS Working Groups determine Objectives and Targets and ensure that Plans of Action and Milestones are met.



The
Environmental
Management
System



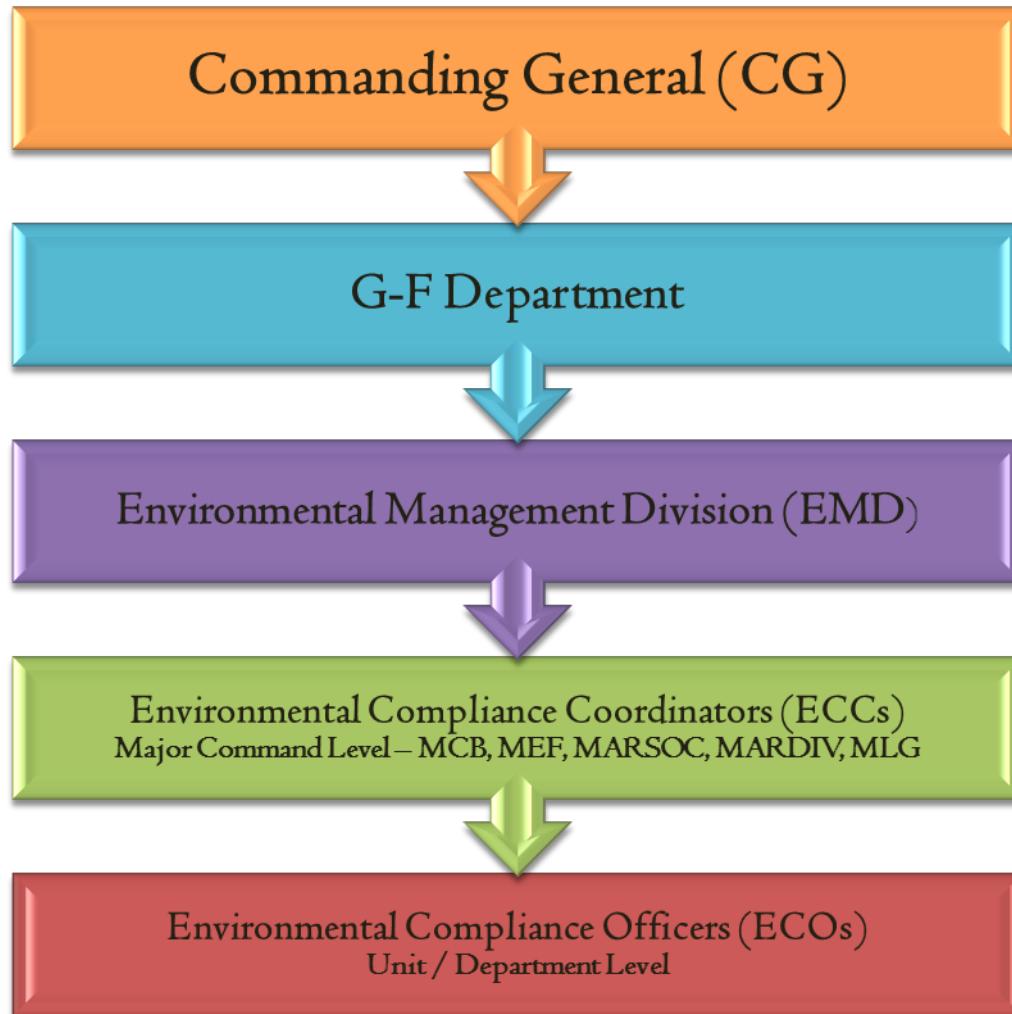
Environmental Management System (EMS)

- Is part of everything we do on MCIEAST-MCBCAMLEJ
- Reduces the environmental “footprint” and liabilities
- Integrates the environmental program across the workforce
- Updates, consolidates and archives SOPs
- Increases employee awareness and commitment to environmental performance
- Empowers staff
- Provides for accountability

For more information, visit the EMS website at:
<https://em.usmc.mil/sites/le/ems/default.aspx>



MCIEAST-MCBCAMLEJ Environmental Hierarchy



- ❑ **EMD** is a division in the G-F Department
- ❑ If you serve at the Unit or Command Level, **ECCs and ECOs are your primary point of contact** for environmental support



MCIEast-MCB CamLej's Environmental Management Division

Environmental Management
Division (EMD)
Bldg 12, Post Lane, 451-5003

EMS / P2 /
Recycling

Environmental
Compliance
Branch (ECB)

Environmental
Conservation
Branch (ECON)

Environmental
Quality Branch
(EQB)

EMD's mission is to protect environmental resources and ensure compliance with environmental laws.

Please visit

<http://www.lejeune.marines.mil/OfficesStaff/EnvironmentalMgmt.aspx> or <https://em.usmc.mil/sites/le/default.aspx>
for more information.



Important Environmental Issues at MCIEast-MCB CamLej

- Drinking Water
- Wastewater
- Water Conservation
- Stormwater

Water



- Hazardous Materials
- Hazardous Waste
- Pesticides
- Solid Waste & Recycling

Materials & Waste



- Air Quality
- Asbestos
- Noise

Air



- Threatened and Endangered Species
- Wetlands & Forestry
- Cultural & Archeological Resources
- National Environmental Policy Act

Natural & Cultural Resources



- Hunting
- Fishing
- Beach Access

Outdoor Recreation



- Spills
- Emergency Response
- Installation Restoration
- Ammunition, Explosives & Dangerous Articles

Release Protection and Response



- Lights
- Computers
- Equipment

Energy



The following slides will address these environmental issues and discuss...

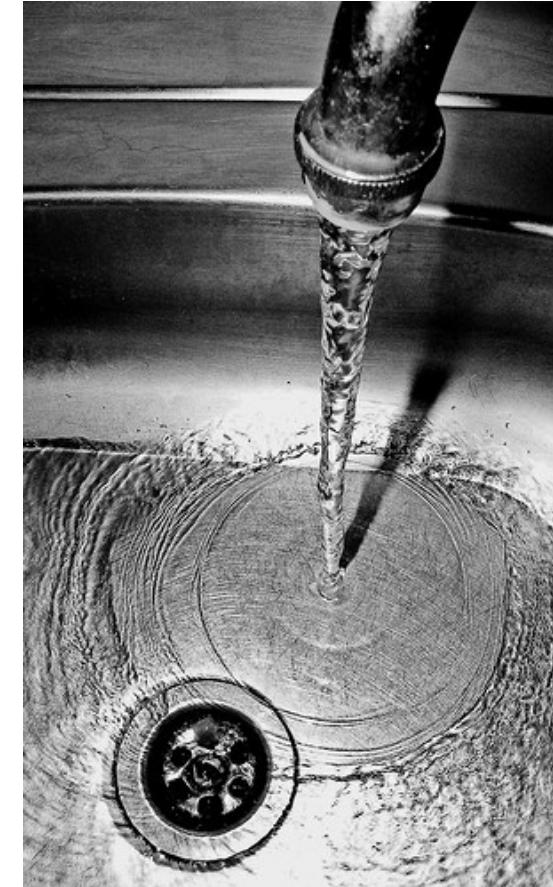
- *What is it?*
- *What's EMD doing about it?*
- *What do I need to know?*
- *What do I need to do?*



Water Resources

DID YOU KNOW.....

- MCIEast-MCB CamLej provides **4-5 million gallons of water per day** to employees and residents for drinking, bathing, and industrial and training operations
- Water is pumped from approximately 54 groundwater wells to four water treatment plants, and then distributed for use
- EMD samples both wells and treated water to ensure all water is safe for consumption and use
- EMD publishes an annual report on water quality. For more information, go to <http://www.lejeune.marines.mil/OfficesStaff/EnvironmentalMgmt/AnnualReports.aspx>





Wastewater Treatment

- **“Wastewater” is water that has been used in domestic processes (e.g., bathing or washing dishes), or for industrial processes (e.g., cleaning vehicle or parts) and therefore may contain waste products (e.g., soap, oil, grease, or metals)**
- MCIEast-MCB CamLej operates an Advanced Wastewater Treatment Plant capable of treating **15 million gallons of wastewater per day**
 - The treatment plant removes pollutants to meet Clean Water Act standards, and then cleaned water is applied to land to promote plant growth and provide food for wildlife
 - Organic matter from the plant is applied to land to promote plant growth and provide food for wildlife





Why is Conserving Water Important?

- Providing drinking water and treated wastewater **requires a significant investment** in energy, chemical infrastructure, and manpower
- Conserving water means
 - We protect the groundwater supply which is in danger of overconsumption
 - The less we use, the less expense is required
 - **Better use of our water and fiscal resources helps to ensure**





What Can You Do To Help Conserve Water?

□ Be aware of your water usage! Use less water everyday.

- In the office or at home turn off the tap between uses
- If you live in Family Housing
 - Take a shower instead of a bath
 - Conserve water when washing your car or watering your lawn
- If you work in an industrial setting set timers or install process controls where possible

Letting your faucet run for five minutes uses as much energy as letting a 60-watt light bulb run for 14 hours.

A full bath tub requires about 70 gallons of water, while taking a five-minute shower uses only 10 to 25 gallons.

where possible

A typical single-family household uses 30 percent of their water outdoors for irrigation.



Stormwater Management

- **What is Stormwater?** Rainwater that doesn't soak into the ground or evaporate runs into storm drains and ditches, which lead to the New River
- Any pollutants picked up by the rainwater end up in the New River (oil, grease, pesticides, animal waste)



Why is Stormwater Management important?

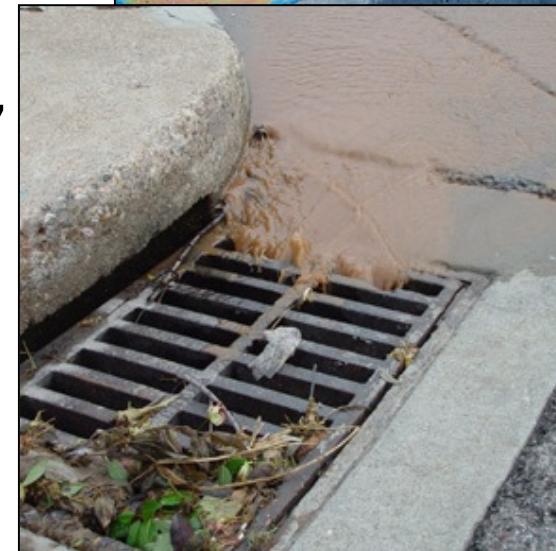
- To provide a healthy environment
- To sustain limited training areas
- To maintain outdoor recreation and wildlife areas
- To maintain compliance with regulations



How You Can Help Prevent Pollution in Storm Water?

Don't Pour Anything Down The Storm Drains!

- Don't dump fluids such as oils in storm drain
- Don't dump trash in or near storm drains
- Don't overfill containers, allow faucets to run continuously, or leave drain valves open
- Don't when possible, store oil-containing equipment outside





How You Can Help Prevent Pollution in Storm Water?

Continued.....

- Do wash vehicles only in designated areas (e.g., wash pads, wash racks, car washes)
- Do properly dispose of pet waste in waste container
- Do use drip pans during vehicle maintenance and storage
- Do conduct maintenance of vehicles only in approved areas





POP QUIZ!

Which of these are considered stormwater?

- a. Runoff from a lawn treated with pesticides.
- b. Runoff from a parking lot where cars have leaked antifreeze and oil.
- c. Dirt and silt in water leaving a construction site.
- d. Fallen leaves and debris blown into the water from a storm.
- e. All of the above.



Hazardous Materials (HM)

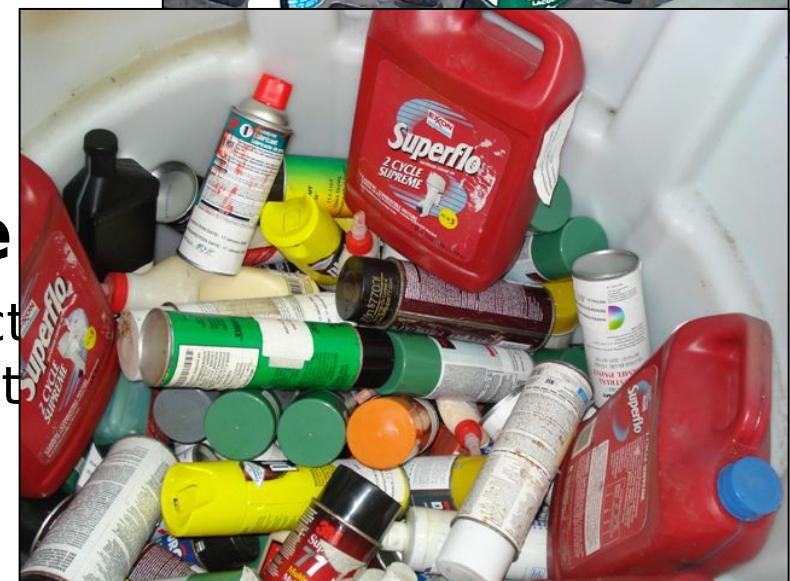
□ What are hazardous materials?

- Solids, liquids, or gases that pose harm to people, living organisms, property, or the environment when improperly used, treated, stored, transported, disposed
 - Antifreeze
 - Cleaning Products
 - Paint
 - Gasoline
 - Lighter Fluid
 - Propane
 - Glues
 - Battery Acid



□ Why manage HM properly?

- Proper management of HM protects base personnel and prevents waste
- Understanding the properties of materials can help reduce safety risks and environmental hazards





Hazardous Materials (HM) Management

- EMD manages Hazardous Materials through the following methods...



- Operates centralized HM storage and Reissue facility
- Limits on-hand quantities using the Authorized Use List (AUL) process
- Trains personnel on HM management
- Provides procedures on HM return and reissue
- Tracks HM through the Hazardous Materials Management System



What Can You Do to Manage Hazardous Materials?

- If your work or a project requires the use of hazardous materials:

- Store hazardous materials authorized on your work center AUL in designated locations. Containers must be closed, in good condition, and labeled.
- Store flammable materials in HAZMAT flam lockers
- Don't store large quantities – Comply with your AUL quantity limits
- Practice good Service-Life management
- Maintain a Material Safety Data Sheet (MSDS) or Safety Data Sheet (SDS) for each material on-site along with a listing of all HazMat utilized by the command
- Place materials stored outside in secondary containment to prevent spill/reduce releases
- Stop work if you unearth a hazardous material (i.e., ordnance) and report to your environmental representative, ROICC or Contract Representative





HM Shelf Life Management

WHAT IS SHELF-LIFE? Shelf-Life is the total period of time beginning with the date of manufacture, cure, assembly, or pack (subsistence only), that an item may remain in the combined wholesale (including manufacturer's) and retail storage systems, and still remain usable for issue and/or consumption by the end user.

Shelf-life is not confused with sell-by date





HM Service Life Management

WHAT IS SERVICE-LIFE? A general term used to quantify the average or standard life expectancy of an item or equipment while in use. When a shelf-life item is unpacked and introduced to mission requirements, installed into intended application, or merely left in storage, placed in pre-expended bins, or held as bench stock, **shelf-life management stops** **an**



Did you know...
alot of HM turned in for disposal is unused and in their original packaging.

Disposing of these materials take a lot of time and money!



What Can You Do to Manage HM Shelf/Service Life?

□ Things to remember about HM Shelf/Service Life

- Buy only the amount authorized on your work center AUL
- “First In, First Out” – use oldest materials first
- Buy only authorized items
- Purchase “Green Materials”
- Check shelf-life before receipting for HM from your issue point.
Material with less than 85%

remaining shelf life are non-conforming unless imminent consumption is expected

Authorized Use List (AUL)						
UNIT/TENANT: EMD						
WORK CENTER NAME and ID: RCRS						
ADDRESS: Bldg 977 Michael Rd						
POINT OF CONTACT: Felicia Padilla						
TELEPHONE: (910) 451-5256						
NSN/LSN	Material Name	Part #	Manufacturer	MO HQ	Justification	
9150-00-186-6681	LUBRICATING OIL, ENGINE OE/HDO 30	N/A	ALL (ONLY for materials with a TRUE NSN)	10	TM 9-2320-280-10 APPENDIX D-5	
9150-00-189-6727	LUBRICATING OIL, ENGINE OE/HDO 10	N/A	ALL	10	TM 9-2320-280-10 APPENDIX D-5	
9150-01-035-5392	LUBRICATING OIL, GEAR 80/90	N/A	ALL	11	TM 9-2320-280-10 APPENDIX D-4	
9150-00-698-2382	DEXRON II	N/A	ALL	13	TM 9-2320-280-10 APPENDIX D-4	
8040-01-090-9320	ADHESIVE	N/A	ALL	3	TM 9-2320-280-34 APPENDIX B-2	
8030-00-753-4953	ANTISEIZE COMPOUND	N/A	ALL	1	TM 9-2320-280-34 APPENDIX B-2	
7930-00-282-9699	DETERGENT	N/A	ALL	2	TM 9-2320-280-34 APPENDIX B-3	
6850-00-274-5421	DRY CLEANING SOLVENT	N/A	ALL	1	TM 9-2320-280-34 APPENDIX B-3	
9140-MC-000-6176	STA-BIL GAS & DIESEL STABILIZER	22214	GOLD EAGLE Co.	6	JOHNSON OPERATION/MAINTENANCE MANUEL Page 8	
6850-MC-000-6172	ETHANOL GASOLINE TREATMENT		VALVTECT PETROLEUM PRODUCTS	6	JOHNSON OPERATION/MAINTENANCE MANUEL Page 8	
8030-MC-000-0886	WD-40	10024	WD40	6	SEAARK MARINE OWNERS MANUEL Page 25	
9150-MC-000-6169	MARINE LUBE	1100	WEST MARINE	10	SEAARK MARINE OWNERS MANUEL Page 25	
6850-MC-000-1907	MARINE HEAVY DUTY CORROSION INHIBITOR	7077	CRC INDUSTRIES	10	SEAARK MARINE OWNERS MANUEL Page 25	

- If you have materials that will expire prior to use or you have excess materials you cannot use - contact EMD. We may be able to find another unit that can use the materials



HazMat Dos and Don'ts

DO

- Read container label and MSDS/SDS before starting a job
- Keep work area clean
- Use protective equipment
- Follow safety rules
- Use approved containers for storing and transporting HM
- Label containers (including transfer containers) with contents & associated hazards
- Store chemicals properly

DON'T

- Leave containers open when not in use
- Depend on a funny smell to detect hazardous gases
- Mix chemicals with another substance - even water - Follow material use instructions exactly
- Pour water into acids
- Smoke, eat or drink around chemicals



Hazardous Waste (HW)

□ What is hazardous waste?

- Solid Wastes that exhibits characteristics listed in the federal regulations and pose a substantial risk to human health or the environment when improperly treated, stored, or disposed

Examples include...

- Oil base paint
- Solvent base adhesive
- Aerosol cans



• Why is it important to manage HW correctly?

- Because these wastes may be
 - Ignitable (flammable)
 - Corrosive (can corrode metal or flesh)
 - Reactive (explosive)
 - Toxic (poisonous)





Hazardous Waste (HW) Management

- Personnel that handle hazardous waste **must be trained** to understand the requirements for proper handling to prevent exposure to workers and the environment
 - If your organization generates hazardous waste, you need training to properly manage it
 - Contact your ECC or ECO to sign up for EM101 - Hazardous Materials and Hazardous Waste
 - Contact EMD's Comprehensive Environmental Training and Education Program (CETEP) Coordinator at 451-9654 or visit <https://em.usmc.mil/sites/le/CETEP/default.aspx> for information on additional classroom courses.





Hazardous Waste (HW) Management

□ What are the basics of HW proper management?

- You **MUST** have an authorization from EMD in order to...
- Containers must **ALWAYS** be **completely closed** during storage, except when...
- must be secured well.
- All containers of HW must be **marked with the words** **“Hazardous Waste”**, and contents of the container





Hazardous Waste (HW) Management (cont)



- During field exercises, never leave HW or HM behind in the field.
- Personnel must **ensure containers are not damaged, rusting or leaking**; if so, waste must be transferred to another approved container
- Containers should be stored in a approved Satellite Accumulation Area (SAA), restricting access to properly trained personnel.
- Containers in HW accumulation areas must be **inspected weekly**. Inspections must be documented.
- Be mindful of all storage requirements for each particular authorized area.



What is Universal Waste?

- **Universal waste** is a subset of Hazardous Waste that is generally less hazardous so regulations allow greater flexibility in management ...

Batteries

- Store to prevent spills, damage, and leaks
- Store in well ventilated areas
- Do not mix batteries in



Fluorescent Light Bulbs

- Store in appropriate containers
- Keep containers closed at all times
- Turn in bulbs to EMD at next unit turn-in day



Mercury Containing Equipment

- Includes thermostats & switches
- Store to prevent spills, damage, and leaks
- Turn in to EMD at next unit turn-in day



Pesticides

- Store to prevent spills, damage, and leaks
- Turn in pesticides to EMD at next unit turn-in day



Turn these items in weekly to RCRS at Building S-962



Household Hazardous Material Collection

- EMD operates a free Household Hazardous Materials Collection Program for **Bldg 1000**
- Bring hazardous materials to **Bldg 1000** on Michael Road, Marine Corps Base Camp Lejeune

0730 – 1500



- Things to keep in mind:
- Bring only acceptable materials [HOUSEHOLD CLEANERS, SOLVENTS/THINNERS, AUTO FLUIDS, PAINTS, LIGHTER FLUIDS, MOTOR OIL, HOUSEHOLD PESTICIDES]
- Make sure product labels are original and legible
- Transport materials safely and make sure containers are securely closed
- Bring your Military ID



Pesticide Management



- **What is the Pesticide Management Program?** A program focused on control of pests & vegetation through safe, environmentally sound, & cost effective control of pests through Integrated Pest Management (IPM).
- IPM depends on
 - Education
 - Chemical & non-chemical control methods
 - Pest Survey
 - Individual
- All personnel that apply or supervise the application of pesticides **must be trained & certified.**
- **Who is responsible for pesticide management?**
 - The Environmental Management Division is responsible for pesticide management of structures, grounds, & turf. Most pest control is done by contractors. Service requests for pest control can be made by the unit or organization by submitting a work request through the Public Works Division.
 - Residents of military quarters and housing are responsible for maintaining good sanitation & correcting minor nuisance pest problems. Grounds maintenance for common areas at Family Housing is contracted by AMCC.
 - Golf course and recreation field pest management is provided by the Head & Assistant Golf Course Superintendents who are both certified pest applicators.
 - Use of Ready-to-Use Roundup is allowed on a limited basis through the Base's Self-Help Program. All requests for use must be made by the unit or organization by submitting a work request through the Public Works Division.



POP QUIZ!

If I handle hazardous waste or materials as part of my job, do I need special training?

- a. True.
- b. False.

a. True. You'll need courses EM 101 & 102.

Contact your ECO or ECC, or visit
<https://em.usmc.mil/sites/le/CETEP/default.aspx>
for more information.



Solid Waste



- **What is “solid waste”?** Commonly known as garbage, rubbish or yard waste, it can be defined as discarded material including
 - Containers, packaging, and food wastes(e.g., cans, cardboard boxes, milk cartons and coffee grounds)
 - Miscellaneous non-soluble wastes (e.g., paper, metal scrap, wall board)
 - Sludge from water treatment, or other discarded materials, durable and non-durable goods
 - Yard trimmings
- **Where does it go?** Solid waste that is not recycled is disposed in the Base's landfill
 - Landfill capacity is a valuable and finite resource that must be conserved



Recycling

What solid waste does MCIEast-MCB CamLej recycle?

- Materials that are recycled include...
 - Paper products, office paper and cardboard
 - Aluminum and food and beverage cans
 - Plastics (PETE #1 and HDPE #2)
 - CD Rom disks and toner cartridges



Did you know... MCIEast-MCB CamLej diverts more than 50% of waste through recycling and composting!



Recycling

Materials MCIEast-MCB CamLej Recycles...

(continued)



- Glass
- Metals and textiles
- Military tires
- Used oil and antifreeze
- Construction and demolition debris like wallboard, wood, concrete
- Wood boxes and pallets
- Yard debris, tree trimmings, horse manure
- Compost is **available for FREE** at the Landfill Material Recovery Facility, Bldg 978, on Bluff Rd.



What Can You Do To Recycle and Manage Solid Waste?

Reduce/Reuse/Recycle when possible!

- **DO NOT** put unauthorized wastes into general trash dumpsters
 - Recyclable products should be placed in appropriate containers & not co-mingled with solid waste
 - Office Recycling Bins can be purchased at Bldg 1606, Serve Mart
- **DO NOT** use government-owned dumpsters for contractor waste and debris
- Recyclables are processed at the Landfill Material Recovery Facility (Bldg 978) located on Piney Green Road. Additional questions can be forwarded to the Base Recycling Coordinator at 451-4214.



During a typical year MCIEast-MCBCamLej diverts over 1,000 tons of cardboard and paper!



What Can You Do To Recycle and Manage Solid Waste?

□ **Military Family Housing**

residents can put everything into one recycling bin and place on curb for pick-up!

- Newspapers, magazines, paper bags, telephone books, cans, glass, plastic, cardboard, yard waste
- **Remember...** Household Hazardous Materials must be collected & delivered to the HMCC at Bldg 977, located on Michael Road

□ **REUSE!!** Items such as oils, paints, hydraulic fluids, communication related batteries and other useable materials, turned in by Base commands may be identified as eligible for **FREE** reissue. Free Issue is located at the HazMart (Bldg 1606).





Recycling Facts

Each ton of recycled paper saves

- 17 trees
- 380 gallons of oil
- Three cubic yards of landfill space
- 4,000 kilowatts of energy and
- 7,000 gallons of water

*Do your part!
Recycle!*





Air Quality Program

- The Air Quality Program's focus is on **improving air quality** and maintaining compliance with permit requirements
- The **goal is to reduce overall emissions** through the use of cleaner technologies or by removing sources
- Various sources generate emissions
 - Steam Plant
 - Boilers
 - Paint booths
 - Generators
 - Petroleum storage
 - Fire-fighting training
 - Abrasive blasting
 - Dry cleaning
 - Welding
 - Woodworking





How Can I Help Improve or Manage Air Quality?

- What do you need to do if your work could impact air quality?



- Follow equipment air permit requirements, including keeping records for material usage
- Notify the ROICC or Contract Rep & EMD Air Quality Program Manager
 - Before installing new equipment on site
 - Before modifying existing permitted sources (including physical and material changes)
- Prior to beginning operations that generate emissions contact EMD's Air Quality Program Manager (451-5068) to understand Federal and state permitting requirements



Asbestos Management

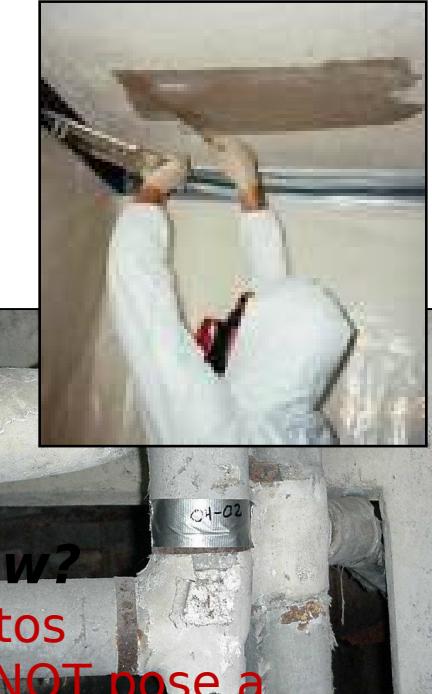
What is Asbestos? Asbestos is a fiber used in building construction materials for insulation and fire-retardation

- Used in roofing shingles, ceiling and floor tiles, cement products, automobile clutch, brake, and transmission parts, heat-resistant fabrics, packaging, gaskets, and coatings
- When asbestos-containing materials are damaged or disturbed **by repair, remodeling or demolition activities**, microscopic fibers become airborne and can be inhaled and cause significant health problems



What do you need to know?

- Intact and undisturbed asbestos in buildings does NOT pose a health risk to occupants
- Prior to renovating any buildings, contact EMD to verify that no asbestos is present
- Most buildings have asbestos surveys typically located in the mechanical room and on the building's official bulletin board





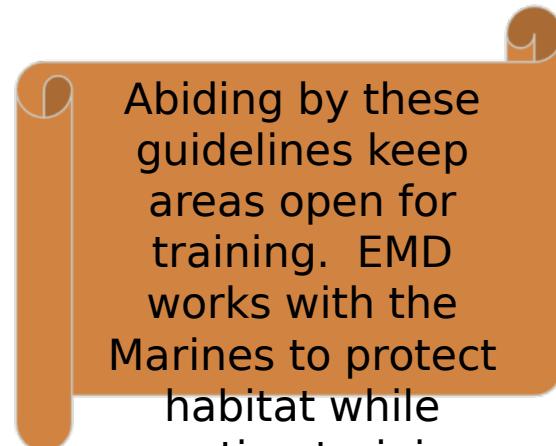
Piping Plover





How Can You Protect Threatened and Endangered Species?

- Obey all signs in marked “Endangered Species” habitat areas
- Do not feed or harass wildlife
- There is special training on how to protect woodpeckers and sea turtles
 - Familiarize yourself with the following documents:
 - Range Control SOP/Environmental Handbook for Trainers/Camp Lejeune Quick Look Guide (S3-Owned Docs)
 - Base Order 5090.11A - Protected Species Program
 - Base Order 5090.111 - Use of Off-Road Vehicles



Abiding by these guidelines keep areas open for training. EMD works with the Marines to protect habitat while meeting training needs.



Wetlands Management

- **What are Wetlands?** Low-lying areas of land that are saturated with moisture (e.g., marshes and swamps)



- You **MUST** contact EMD (451-5063) prior to land-disturbing activity involving wetlands



EMD's Wetlands program strives to support the Marine Corps mission while ensuring compliance with Federal and State regulations. Wetlands are protected by Federal law (the Clean Water Act), and the regulations are enforced by the U.S. Army Corps of Engineers.



Forest Management

There are over 95,000 forested acres on MCIEast-MCB Cam Lej!

- Do not damage or deface trees in any way
- Do not perform land clearing operations without EMD approval
- Be aware of ongoing timber harvest and prescribed burning operations.

Current prescribed burn notices are posted at

<http://www.lejeune.marines.mil/>





Cultural and Archeological Resources

The Installation manages a variety of historic and prehistoric archaeological sites, as well as historic structures.



If you have a bone, bottle, or piece of pottery that you think might have archaeological or historic interest, **don't pick it up**. Mark the area and notify EMD's Archeologist at 451-5063.



National Environmental Policy Act (NEPA)

- **What is NEPA?** NEPA requires the environmental analysis of any action that could impact the environment, an archaeological site, or an historic building
- **Why is it important?** It allows the review of environmental impacts before project implementation, so **impacts can be minimized** and **money can be saved** through appropriate planning



Actions that need NEPA review

- All field training exercises
- All facility or building maintenance activities
- All landscaping, grounds maintenance and trail rehabilitation
- All construction activities
- All real estate transactions

For questions regarding whether a proposed action needs NEPA review, Call EMD (451-5063) to discuss requirements.



Outdoor Recreation

- Outdoor recreation activities and resources include...

- Hunting
 - Game include deer, turkey, rabbit, quail, dove, waterfowl
- Fishing
 - Species include bass, bluegill, sunfish, catfish, flounder
- Boat Launch
- Onslow Beach Access
- Off-Road Recreation Vehicle
- Trapping, Harvesting Firewood
- Base Skeet and Archery Ranges



- These activities require permits and/or fees

- Please visit <http://www.lejeune.marines.mil/Offices/ConservationLawEnforcement.aspx> or contact the Conservation Law Enforcement Office (CLEO) at (910) 451-5210



Underground and Aboveground Storage Tank (UST/AST) Program

□ ***What does the UST/AST program do?***

- Assesses and remediates contaminated sites that result from leaking USTs/ASTs, overfills, spills, and any other petroleum related contamination
 - Currently there are 303 no further action remediation sites,
 - 18 remediation sites under assessment,
 - and 9 active remediation sites
- Permitting and monitoring of USTs aboard the Base
 - In 1991, the Base had 505 regulated and 4,400 non-regulated (heating oil) USTs. Today the Base maintains 27 USTs.
- Maintains the Spill Prevention Control and Countermeasure (SPCC) Plan for approximately 600 ASTs aboard the Base as well as drum storage, transformers, etc.





Prevention of Spills



- ❑ To minimize leaks, keep vehicle maintenance up-to-date
- ❑ Always use drip pans and absorbents under vehicles during maintenance
- ❑ Conduct field servicing of vehicles only at approved locations
- ❑ Keep maintenance bay floors and grease rack areas clean



Prevention of Spills



- ❑ Avoid the common errors of overfilling, failing to disconnect lines, leaving drain valves open, and leaving fill valves open to precipitation
- ❑ Prepare for spill response by having an overpack and absorbent material





What You Need To Know About Spill Clean Up

- ❑ **A release of hazardous materials, fuels and POLs must be promptly reported to Fire & Emergency Services (FESD) at 911**
- ❑ Trained personnel may only respond to spills of POL or antifreeze. For any other type of HM spill/release, personnel must secure the area & wait for guidance from FESD. Trained personnel should:
 - ❑ Collect all the material and anything contaminated. This includes liquid residue from drip pans, absorbent material used to clean up the spill, and contaminated soil.
 - ❑ Collected residue and contaminated material should be placed in bags, drums, or other containers, and returned to your unit's home site.
 - ❑ Turn in all collected materials in to EMD (Bldg 977) at your unit's next turn-in day.
- ❑ FESD will contact EMD, RCRS at 451-1482 if assistance with cleanup is required. All spill-related materials should be turned in to EMD on the unit's appointed turn in day or by appointment.





Installation Restoration Program (IRP)

- **What does the Installation Restoration Program do?** Assesses and remediates contaminated sites that resulted from past disposal practices, and spills and leaks of hazardous materials and waste

- In 1983, an initial Navy assessment identified 76 areas of concern, 22 that warranted investigation
 - None of the sites pose an immediate threat to human health or the environment
 - 56 sites are cleaned-up and/or need no further action or investigation
 - Further investigation to assess the potential long term impacts is ongoing at 4 sites
 - Active remediation and/or long-term management at 27 sites

- Formal information is exchanged through the **Restoration Advisory Board** (RAB) which is made up of elected community members

- The RAB meets on a quarterly basis and is a forum for the exchange of information and for community members to provide input and guidance on how the IRP should be run and its future actions.
(<http://www.lejeune.marines.mil/OfficesStaff/EnvironmentalMgmt/RestorationAdvisoryBoard.aspx>)
- For additional information on the IR Program, please contact the IR Program Manager at 451-9385.





Ammunition, Explosives, and Dangerous Articles (AEDA)

- ❑ To obtain clearance to leave a training area, the unit must **completely** police it for expended brass and ammunition residue.
- ❑ Ranges other than Rifle Range Complex
 - Before conducting training each unit must verify they have, **appointed in writing by their CO**, personnel who are technically qualified to certify & verify AEDA as being inert & free of explosives before turning those articles in to DRMO.
 - Appointed personnel must coordinate with DRMO & be familiar with DRMO processing procedures.
- ❑ Be sure to separate live from expended cartridges. Also, check to see if ammunition containers can be reused or recycled.





Energy Conservation

□ For MCIEast-MCB CamLej energy is mission critical.

You have the power to make a difference

- Turn off lights when leaving a room or office for more than a minute
- Turn off printers, copiers, and monitors when idle
- Keep windows and doors closed when heating or air-conditioning is running - Report heating and air conditioning problems promptly
- Turn off coffee pots, radios, fans and other appliances in offices
- Avoid using space heaters

YOU HAVE
thePOWER™



SAVE
ENERGY
MONEY
the
FUTURE



Family Housing - How To "Go Green"

For those living in Family Housing remember these facts to help protect our environment

- Do not pour grease down the drain. The grease clogs pipes, leading to spills and overflows.
- Place pet waste into approved containers
- Wash cars in designated areas where water won't runoff into a storm drain
- Put all recyclables into one recycling bin and place on curb
 - Recycle all the materials you can - newspaper, plastics, aluminum, glass, cardboard
- Place yard debris in a pile next to refuse and recycling for collection
- Take used oil and used antifreeze from your personal vehicle to the Auto Hobby Shop or HMCC (Bldg S-962) for proper disposal
- Conserve water and energy everyday
- Take Household Hazardous Materials to Bldg 977





How Do We Provide Environmental Training and Outreach?

- The **Comprehensive Environmental Training and Education Program (CETEP)** is established to support full compliance with environmental requirements and pollution prevention goals.
- CETEP includes various professional development initiatives, public outreach projects, program development strategies, and research efforts **to ensure that appropriate environmental instruction and information is provided at all levels of the Marine Corps.**
- Please see <https://em.usmc.mil/sites/le/CETEP/default.aspx> for a description of the environmental class options in the matrix below, or call the CETEP Coordinator @ 451-9654

	CO/XO/STA FF EM100	HM/HW INITIAL & REFRESHER EM101 & EM102	HM TRSPT EM103	ECC/ ECO TRNG EM 104	AST/ UST MGMT EM105	AIR QUAL EM 106	OWS EM 108	GENL ENV AWARENESS
ALL BASE PERSONNEL								X
CO/XO/Staff	X							X
ECC/ECO		X		X	X	X	X	X
HW SITE MGR/HANDLER		X						X
HM SITE MGR/HANDLER		X						X
MW SITE MGR		X						X
UST/AST OPERATOR					X			X
AIR SOURCE OPERATOR						X		X
USMC MV Operators			X					X
MOTOR T SHOP PERSONNEL							X	X



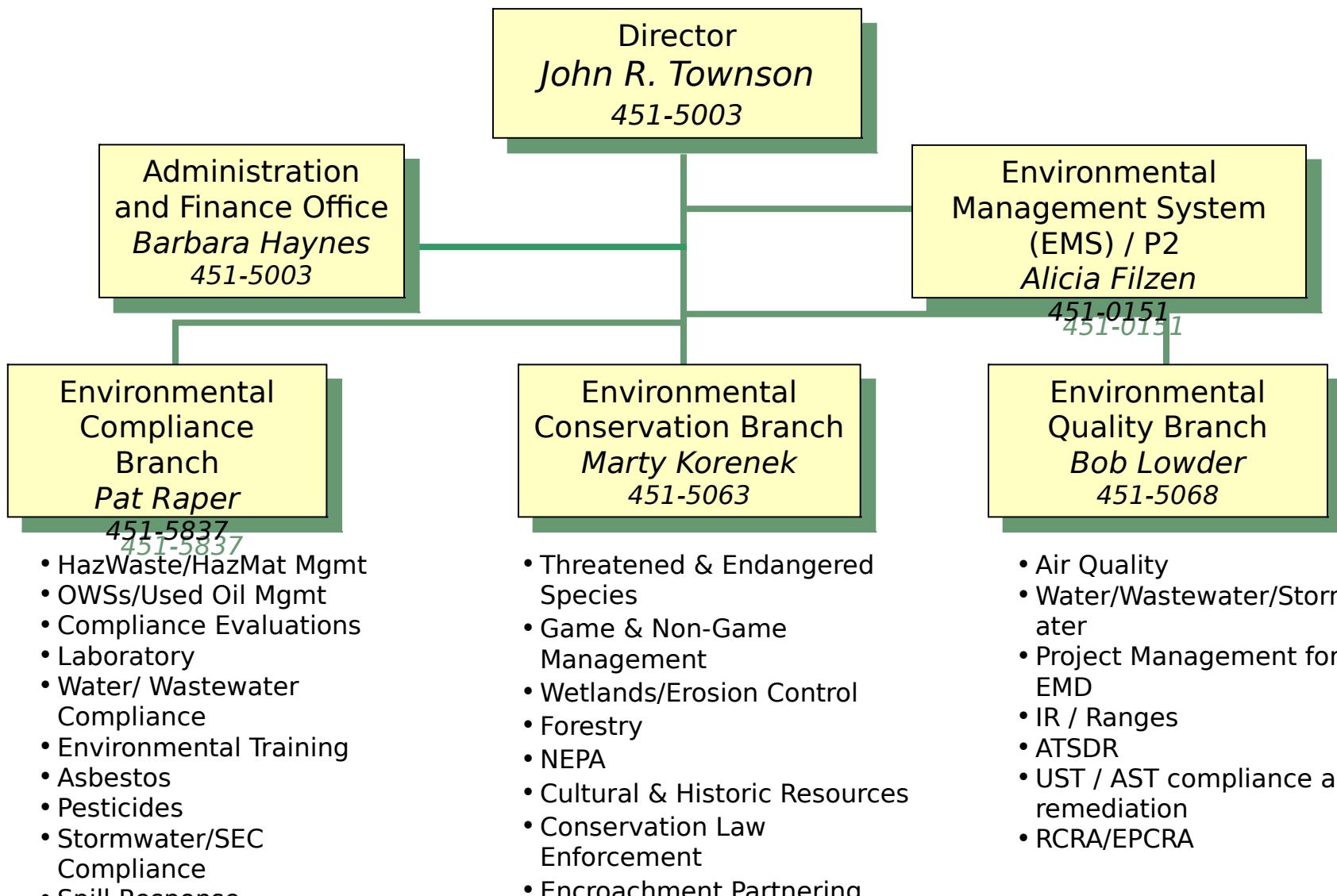
Summary

- Protecting the environment is everyone's job at MCB CamLej
- Do your part to conserve our resources and preserve our ability to complete our mission
- Follow the directions and information provided in this training and remember to:
 - Conserve water and energy
 - Manage hazardous materials correctly
 - Reduce solid and hazardous waste generation
 - Protect natural and cultural resources
 - Know how to respond to spills, releases and emergencies
- Contact EMD with environmental questions, issues, or needs





Environmental Management Division





MCIEast-MCB Camp Lejeune

(MCIEAST MCB CAMLEJ)

GENERAL ENVIRONMENTAL AWARENESS TRAINING

This certifies that I have completed the annual training for
MCIEast- MCB Camp Lejeune General Environmental
Awareness Training.

(NAME)

1/31/2011

(DATE)

(UNIT/DEPT)

(This completion certificate is to be provided to your command Privacy Act
Coordinator)